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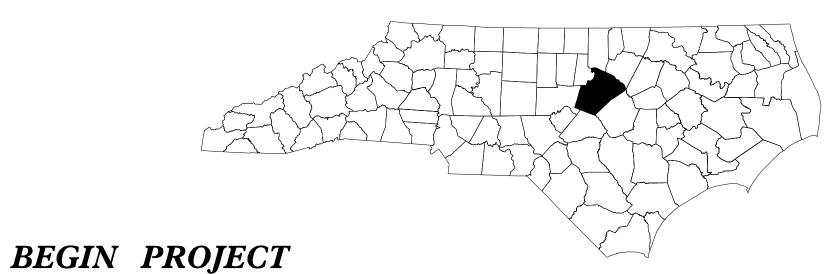
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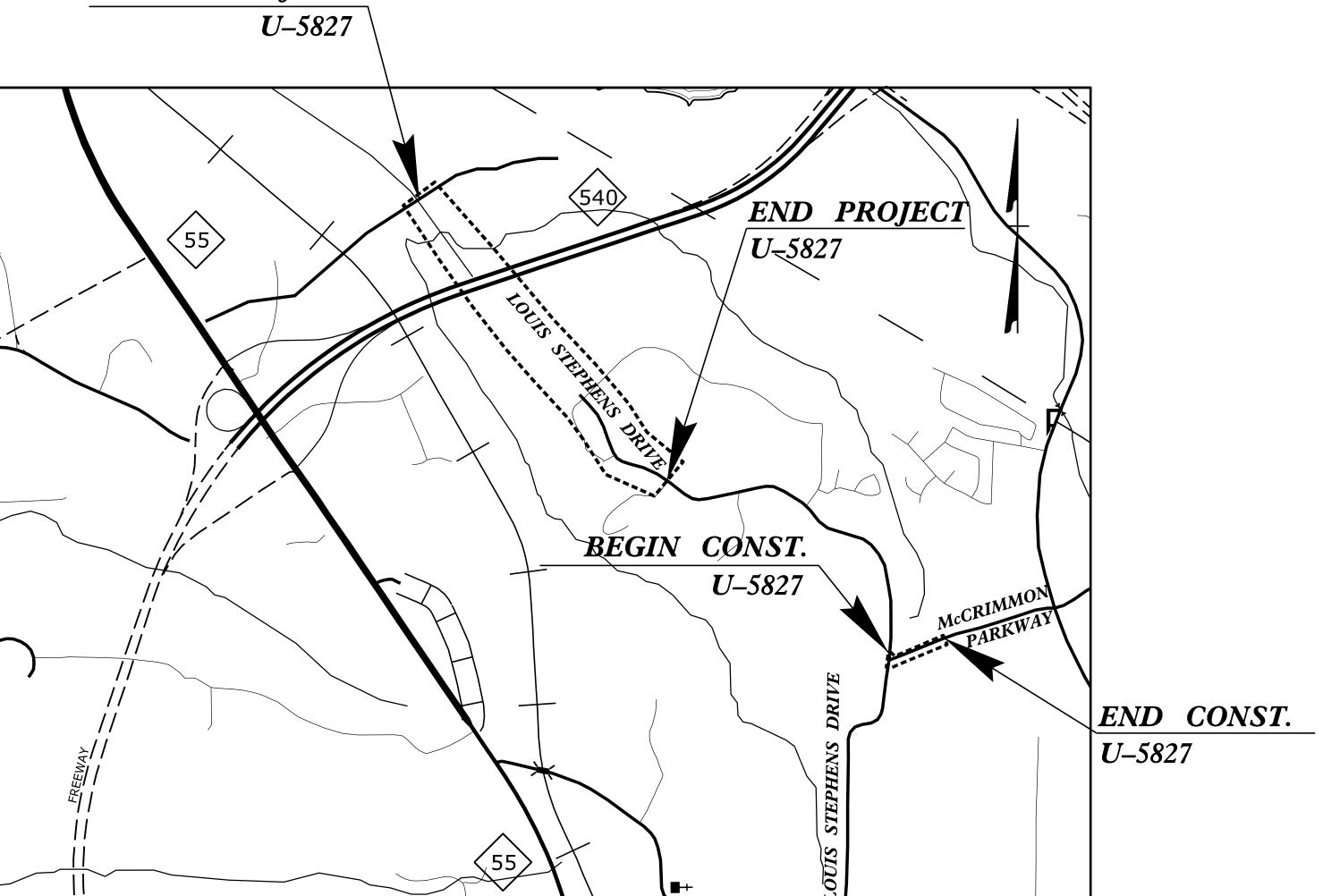
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# TRANSPORTATION MANAGEMENT PLAN

# WAKE COUNTY

LOCATION: SR 1632 (LOUIS STEPHENS DRIVE)





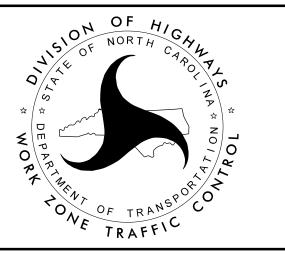
WORK ZONE SAFETY & MOBILITY "from the MOUNTAINS to the COAST"

N.C.D.O.T. WORK ZONE TRAFFIC CONTROL 1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561 750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY) PHONE: (919) 773-2800 FAX: (919) 771-2745

JOE HUMMER, P.E. STATE TRAFFIC MANAGEMENT ENGINEER

TRAFFIC CONTROL PROJECT ENGINEER MIKE STEELMAN TRAFFIC CONTROL PROJECT DESIGN ENGINEER

TRAFFIC CONTROL DESIGN ENGINEER



#### INDEX OF SHEETS

SHEET NO. <u>TITLE</u>

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LIST OF APPLICABLE STANDARD DRAWINGS AND TMP-1A LEGEND

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TMP-9 SPECIAL SIGN DESIGN

> CLAUDETTE M.K. ROQUE, P.E. PROJECT ENGINEER G. SCOTT SALLADE, E.I. PROJECT DESIGN ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:



5808 Faringdon Place, Suite 100 Raleigh, North Carolina 27609 Phone: 919-872-5115 www.rameykemp.com NC License No. C-0910

APPROVED: Claudette M. K. Roque  $DATE: \frac{7/1/2019}{}$ 

TMP-1

SHEET NO.

### DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED RAMEY KEMP

SHEET NO.

TMP-1A

## ASSOCIATES, INC. Transportation Engineers 5808 FarIngdon Place, Sulte 100 Raleigh, North Carolina 27609 919-872-5115 Tel. 919-878-5416 Fax. www.rameykemp.com NC License No. C-0910

PROJ. REFERENCE NO.

U-5827

#### ROADWAY STANDARD DRAWINGS

REV. SEPTEMBER 2011

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION -RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

TITLE

#### STD. NO.

1101.01

1101.02

1101.03

1101.04

1101.05

1205.09

1101.11

WORK ZONE ADVANCE WARNING SIGNS TEMPORARY LANE CLOSURES TEMPORARY ROAD CLOSURES TEMPORARY SHOULDER CLOSURES WORK ZONE VEHICLE ACCESSES TRAFFIC CONTROL DESIGN TABLES STATIONARY WORK ZONE SIGNS PORTABLE WORK ZONE SIGNS FLASHING ARROW BOARDS DRUM CONES

1110.01 1110.02 1115.01 1130.01 1135.01 1145.01 **BARRICADES** FLAGGING DEVICES 1150.01 1180.01 SKINNY DRUM 1205.01 PAVEMENT MARKINGS - LINE TYPES AND OFFSETS 1205.02 PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS 1205.04 PAVEMENT MARKINGS - INTERSECTIONS

1205.05 PAVEMENT MARKINGS - TURN LANES 1205.07 PAVEMENT MARKINGS – PEDESTRIAN CROSSWALKS 1205.08 PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES

PAVEMENT MARKINGS - PAINTED ISLANDS

#### TEMP. PAVEMENT MARKING SCHEDULE

**DESCRIPTION** SYMBOL PAINT (4'')WHITE EDGELINE WHITE SOLID LANE LINE YELLOW DOUBLE CENTER PΙ PAINT (8") WHITE CROSSWALK LINE PQPAINT (24") WHITE STOPBAR WHITE CROSSWALK LINE PAINT PAVEMENT MARKING SYMBOLS LEFT TURN ARROW COMBO. RIGHT/STRAIGHT ARROW BICYCLE SYMBOL BICYCLE STRAIGHT ARROW

#### **LEGEND**

#### **GENERAL**

DIRECTION OF TRAFFIC FLOW

DIRECTION OF PEDESTRIAN TRAFFIC FLOW

----- EXIST. PVMT.

NORTH ARROW

PROPOSED PVMT.

TEMP. SHORING (LOCATION PURPOSES ONLY)

WORK AREA

REMOVAL

WEDGING

USER DEFINED (IF NEEDED)

#### SIGNALS

EXISTING





#### PAVEMENT MARKINGS

——EXISTING LINES ——TEMPORARY LINES

#### TRAFFIC CONTROL DEVICES

BARRICADE (TYPE III) 

DRUM ( ) SKINNY DRUM ( ) TUBULAR MARKER

TEMPORARY CRASH CUSHION FLASHING ARROW BOARD

**FLAGGER** 

LAW ENFORCEMENT

TRUCK MOUNTED ATTENUATOR (TMA)

CHANGEABLE MESSAGE SIGN

#### TEMPORARY SIGNING

PORTABLE SIGN

── STATIONARY SIGN

STATIONARY OR PORTABLE SIGN

#### PAVEMENT MARKERS

CRYSTAL/CRYSTAL

CRYSTAL/RED

YELLOW/YELLOW

#### PAVEMENT MARKING SYMBOLS

PAVEMENT MARKING SYMBOLS

Claudette M.K. Roque DATE: 7/1/2019 SEAL



STANDARD DRAWINGS AND LEGEND

#### PROJ. REFERENCE NO. SHEET NO. TMP-1B U-5827 DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED

RAMEY KEMP ASSOCIATES, INC 5808 Faringdon Place, Suite 100 Raleigh, North Carolina 27609 919-872-5115 Tel. 919-878-5416 Fax

#### GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

#### TIME RESTRICTIONS

DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME

DAY AND TIME RESTRICTIONS

4:00 PM - 6:00 PM

-L2- LOUIS STEPHENS DRIVE (SR 1632)

MONDAY THROUGH FRIDAY -Y1- O'KELLY CHAPEL ROAD/LITTLE DRIVE (SR 1628 /SR 2153) 6:00 AM - 9:00 AM

-Y3A- PARKSIDE VALLEY DRIVE

-Y3B- WALNUT WOODS DRIVE -Y4- POPLAR PIKE LANE

-Y5- GRAY MARBLE ROAD

-Y6- McCRIMMON PARKWAY

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME

-L2- LOUIS STEPHENS DRIVE (SR 1632)

-Y1- O'KELLY CHAPEL ROAD/LITTLE DRIVE (SR 1628 /SR 2153)

-Y3A- PARKSIDE VALLEY DRIVE

-Y3B- WALNUT WOODS DRIVE

-Y4- POPLAR PIKE LANE

-Y5- GRAY MARBLE ROAD

-Y6- McCRIMMON PARKWAY

- 1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- 2. FOR NEW YEAR'S DAY, BETWEEN THE HOURS OF 6:00 PM DECEMBER 31ST AND 9:00 AM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY, THEN UNTIL 9:00 AM THE FOLLOWING TUESDAY.
- 3. FOR EASTER, BETWEEN THE HOURS OF 4:00 PM THURSDAY AND 9:00 AM MONDAY.
- 4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 4:00 PM FRIDAY AND 9:00 AM TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 4:00 PM. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 AM THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY, THEN BETWEEN THE HOURS OF 4:00 PM THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 AM THE TUESDAY AFTER INDEPENDENCE DAY.

- FOR LABOR DAY, BETWEEN THE HOURS OF 4:00 PM FRIDAY AND 9:00 AM TUESDAY.
- 7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 4:00 PM TUESDAY AND 9:00 AM MONDAY.
- 8. FOR CHRISTMAS, BETWEEN THE HOURS OF 4:00 PM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 AM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS DAY.

#### GENERAL NOTES CONTINUED

DO NOT STOP TRAFFIC AS FOLLOWS

ROAD NAME

DAY AND TIME RESTRICTIONS

DURATION AND OPERATION

-L- LOUIS STEPHENS DRIVE (SR 1632)

-Y1- O'KELLY CHAPEL ROAD/LITTLE DRIVE

MONDAY TROUGH FRIDAY -L2- LOUIS STEPHENS DRIVE (SR 1632)

6:00 AM - 9:00 AM

4:00 PM - 6:00 PM

15 MINUTES: COORDINATE WITH RESIDENT ENGINEER FOR FOR INSTALLATION OF NEW

SIGNAL SYSTEM

#### LANE AND SHOULDER CLOSURE REQUIREMENTS

-Y6- McCRIMMON PARKWAY

- REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.

#### PAVEMENT EDGE DROP OFF REQUIREMENTS

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 200 FT. IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

#### TRAFFIC PATTERN ALTERATIONS

NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

#### SIGNING

- INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

PROVIDE SIGNING REQUIRED FOR THE OFFSITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFFSITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.

#### GENERAL NOTES CONTINUED

- ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- O) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 200 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

#### TRAFFIC CONTROL DEVICES

- WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- PLACE TYPE III BARRICADES WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES DRUMS PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

#### PAVEMENT MARKINGS AND MARKERS

INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

MARKING MARKER ROAD NAME

ALL ROADS PAINT NONE

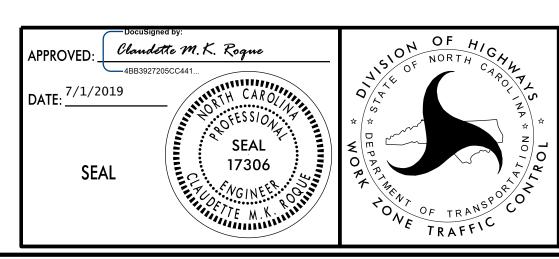
T) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL

APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.

- U) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING
- REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- W) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO INSTALLATION. PLACE DRUMS TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS BEFORE INSTALLATION.

#### **MISCELLANEOUS**

- ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.
  - CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.)



GENERAL NOTES

# U-5827 TMP-1C DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED RAMEY KEMP ASSOCIATES, INC Transportation Engineer 5808 Farlngdon Place, Sulte 100 Raleigh, North Carolina 27609

919-872-5115 Tel. 919-878-5416 Fax www.rameykemp.com NC License No. C-0910

SHEET NO.

PROJ. REFERENCE NO.

#### MANAGEMENT STRATEGIES

THIS PROJECT CONSISTS OF CONSTRUCTING LOUIS STEPHENS DRIVE EXTENSION (-L- & -L1-) ON NEW LOCATION FROM EXISTING LOUIS STEPHENS DRIVE AT O'KELLY CHAPEL ROAD/LITTLE DRIVE INTERSECTION TO THE INTERSECTION OF GRAY MARBLE ROAD (-Y5-) AND ROADWAY WIDENING ALONG McCRIMMON PARKWAY (-Y6-) AT LOUIS STEPHENS DRIVE (-L2-)

CONSTRUCT MOST OF LOUIS STEPHENS DRIVE EXTENSION AWAY FROM TRAFFIC. CLOSURE OF Y-LINES FOR THE CONNECTION TO LOUIS STEPHENS DRIVE WILL BE NECESSARY. USE LANE CLOSURES TO SHIFT TRAFFIC AWAY FROM WORK AREAS ON -L2- AND -Y6-.

#### PHASING NOTES

THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE EXISTING DRIVEWAYS AS DIRECTED BY THE ENGINEER.

PHASE I - BEGIN	LOUIS STEPHENS	DRIVE FROM	O'KELLY	CHAPEL RD/LITTLE DR

- STEP 1: PRIOR TO ANY CONSTRUCTION OPERATIONS, PLACE AND COVER ROAD CLOSURE AND DETOUR SIGNING AS SHOWN ON TMP–2A FOR PHASE I IN ACCORDANCE WITH RSD 1101.03 (SHEET 1 OF 9). INSTALL WORK ZONE ADVANCE WARNING SIGNS (SEE RSD 1101.01).
- (TMP-3 TO 6) STEP 2: BEGIN CONSTRUCTION ON LOUIS STEPHENS DRIVE EXTENSION (-L- & -L1-) AWAY FROM TRAFFIC. CONSTRUCT ROADWAY, DRAINAGE, AND UTILITY IMPROVEMENTS UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE THAT WOULD NOT REQUIRE ANY ROAD CLOSURE BEFORE PROCEEDING TO STEP 4. INSTALL NEW SIGNAL AND PEDESTRIAN SIGNAL HEADS AND COVER AT THE INTERSECTION OF -L- & -Y1- (O'KELLY CHAPEL ROAD/LITTLE DRIVE). ADJUST SIGNAL HEADS IF AND WHEN NECESSARY.
  - CONSTRUCT CONC SIDEWALK CONNECTION AT -L- & -Y1-. PLACE BARRICADES TO CLOSE THIS CONNECTION.
  - 24" PIPE FROM STRUCTURE 607 TO STRUCTURE 603:
     USING RSD 1101.02 (SHEET 1 OF 14), UNDER FLAGGER CONTROL, CONSTRUCT 24" PIPE. MAINTAIN AT LEAST ONE LANE OF ACCESS TO \_Y3B\_ (WALNUT WOODS DRIVE).
  - STEP 3: CONSTRUCT MEDIAN IMPROVEMENTS ON -Y1- USING RSD 1101.02 (SHEET 3 OF 14).
    - REMOVE EXISTING CURB & GUTTER TO CONSTRUCT NEW CONCRETE MONOLITHIC ISLAND AND CURB RAMPS.
- (TMP-3 TO 6) STEP 4: CONTINUE CONSTRUCTION ON LOUIS STEPHENS DRIVE EXTENSION (-L- & -L1-).
  - USING OFF-SITE DETOUR, UNCOVER ROAD CLOSURE AND DETOUR SIGNS AND CLOSE ACCESS TO -Y4 (POPLAR PIKE LANE). COMPLETE CONSTRUCTION OF -Y4- ROADWAY, DRAINAGE, AND UTILITY IMPROVEMENTS UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE.
  - USING RSD 1101.02 (SHEET 1 OF 14), UNDER FLAGGER CONTROL, CONSTRUCT –L1– ROADWAY, DRAINAGE, AND UTILITY IMPROVEMENTS UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE FROM –Y4– TO END OF CONSTRUCTION (–L1– STA. 16+64.32)
  - APPLY TEMPORARY PAVEMENT MARKINGS ON -Y4- & -L- /-L1- FROM -Y4- TO END OF CONSTRUCTION (-L1- STA. 16+64.32) IN SAME PATTERN AS FINAL PAVEMENT MARKING PLAN.
  - MAINTAIN ACCESS TO \_Y3A\_ (PARKSIDE VALLEY DRIVE) AND \_Y3B\_
  - STEP 5: REMOVE BARRICADES, ROAD CLOSURE AND DETOUR SIGNS AND OPEN \_L1\_ AND \_Y4\_ TO TRAFFIC. PRIOR TO PROCEEDING TO PHASE II, PLACE AND COVER OFF\_SIE DETOUR SIGNING AS SHOWN ON TMP\_2B FOR PHASE II AND IN ACCORDANCE WITH RSD 1101.03 (SHEET 1 OF 9).

#### PHASE II - COMPLETE LOUIS STEPHENS DRIVE FROM O'KELLY CHAPEL RD/LITTLE DR

- (TMP-7) STEP 1: CONTINUE CONSTRUCTION ON LOUIS STEPHENS DRIVE EXTENSION (-L- & -L1-).
  - USING OFF-SITE DETOUR, UNCOVER ROAD CLOSURE AND DETOUR SIGNS AND CLOSE ACCESS TO -Y3A- & -Y3B-
  - COMPLETE CONSTRUCTION OF -Y3A- & -Y3B- ROADWAY, DRAINAGE, AND UTILITY IMPROVEMENTS UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE.
  - APPLY TEMPORARY PAVEMENT MARKINGS ON –Y3A– & –Y3B– IN SAME PATTERN AS FINAL PAVEMENT MARKING PLAN.
  - MAINTAIN VEHICLE AND PEDESTRIAN ACCESS TO NORTHWEST PARK. PROVIDE TEMPORARY PEDESTRIAN ACCESS TO NORTHWEST PARK FROM –Y3B– ACROSS –L– AS SHOWN ON TMP–7

- (TMP-7) STEP 2: REMOVE BARRICADES, ROAD CLOSURE AND DETOUR SIGNS AND OPEN -Y3A- & -Y3B- TO TRAFFIC.
  - STEP 3: USING RSD 1101.02 (SHEETS 1 AND 3 OF 14) AS NEEDED, PLACE FINAL LAYER OF SURFACE COURSE ON ALL ROADS.
    - INSTALL FINAL PAVEMENT MARKINGS ON ALL ROADS INCLUDING THE INTERSECTION OF -L- AND -Y1- (O'KELLY CHAPEL ROAD/LITTLE DRIVE). ERADICATE ANY CONFLICTING PAVEMENT MARKINGS. PLACE MARKERS ON -L- /-L1-
  - STEP 4: REMOVE ALL REMAINING TRAFFIC CONTROL DEVICES AND WORK ZONE SIGNS. UNCOVER AND ACTIVATE SIGNALS AND PEDESTRIAN SIGNAL HEADS AND OPEN ALL ROADS TO TRAFFIC.

#### PHASE III - LOUIS STEPHENS DRIVE AT McCRIMMON PARKWAY INTERSECTION

- USING RSD 1101.02 (SHEET 3 OF 14) CLOSE THE OUTSIDE LANE (RIGHT TURN LANE) ON -Y6- (McCRIMMON PARKWAY) AND SHIFT TRAFFIC TO THE EXISTING LEFT TURN LANE AS SHOWN ON TMP-8. ALLOW RIGHT TURNS FROM THE EXISTING LEFT TURN LANE WHILE THE RIGHT TURN LANE IS CLOSED. CONSTRUCT ROADWAY AND DRAINAGE IMPROVEMENTS UP TO AND INCLUDING THE FINAL SURFACE COURSE. ANY IMPROVEMENTS ON THE SIDE OF THE LANE CLOSURE THAT CAN NOT BE CONSTRUCTED DUE TO PROXIMITY TO THE OPEN TRAVEL LANE MUST BE CONSTRUCTED USING RSD 1101.02 (SHEET 1 OF 14) UNDER FLAGGER CONTROL. INSTALL NEW SIGNAL AND PEDESTRIAN SIGNAL HEADS AND COVER AT THE INTERSECTION OF -L2- & -Y6-.
- (TMP-8) STEP 1B: SHIFT THE RIGHT TURN LANE ON -L2- (LOUIS STEPHENS DRIVE) TO BE ADJACENT TO THE EXISTING THRU LANE AS SHOWN ON TMP-8. USING 1101.02 (SHEET 3 OF 14) CLOSE THE OUTSIDE LANE ON -Y6- AS SHOWN ON TMP-8. CONSTRUCT ROADWAY AND DRAINAGE IMPROVEMENTS UP TO AND INCLUDING THE FINAL SURFACE COURSE. ANY IMPROVEMENTS ON THE SIDE OF THE LANE CLOSURE THAT CAN NOT BE CONSTRUCTED DUE TO PROXIMITY TO THE OPEN TRAVEL LANE MUST BE CONSTRUCTED USING RSD 1101.02 (SHEET 1 OF 14) UNDER FLAGGER CONTROL.
  - CONTRACTOR TO PROVIDE TEMPORARY PEDESTRIAN ACCESS ACROSS LOUIS STEPHENS DRIVE (-L2-) AS SHOWN ON TMP-8.
     REROUTE PEDESTRIANS ALONG LOUIS STEPHENS DRIVE (-L2-) TO SCOTLOW WAY AND PROVIDE A TEMPORARY CONNECTION TO THE EXISTING SIDEWALK INTO NEIGHBORHOOD. USING DETOUR SIGNS, DIRECT PEDESTRIANS TO LONG MILLGATE ROAD TO MANCHESTER PARK LANE TO McCRIMMON PARKWAY.
  - STEP 2: USING RSD 1101.02 (SHEETS 1 AND 3 OF 14) AS NEEDED, ERADICATE EXISTING PAVEMENT MARKINGS AND PLACE PROPOSED PAVEMENT MARKINGS & MARKERS ON -Y6- AND -L2-.
    - REMOVE ALL REMAINING TRAFFIC CONTROL DEVICES AND WORK ZONE SIGNS. OPEN ALL ROADS TO TRAFFIC. UNCOVER AND ACTIVATE SIGNALS AND PEDESTRIAN SIGNAL HEADS.

APPROVED:

Clandette M. K. Roque

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DATE:

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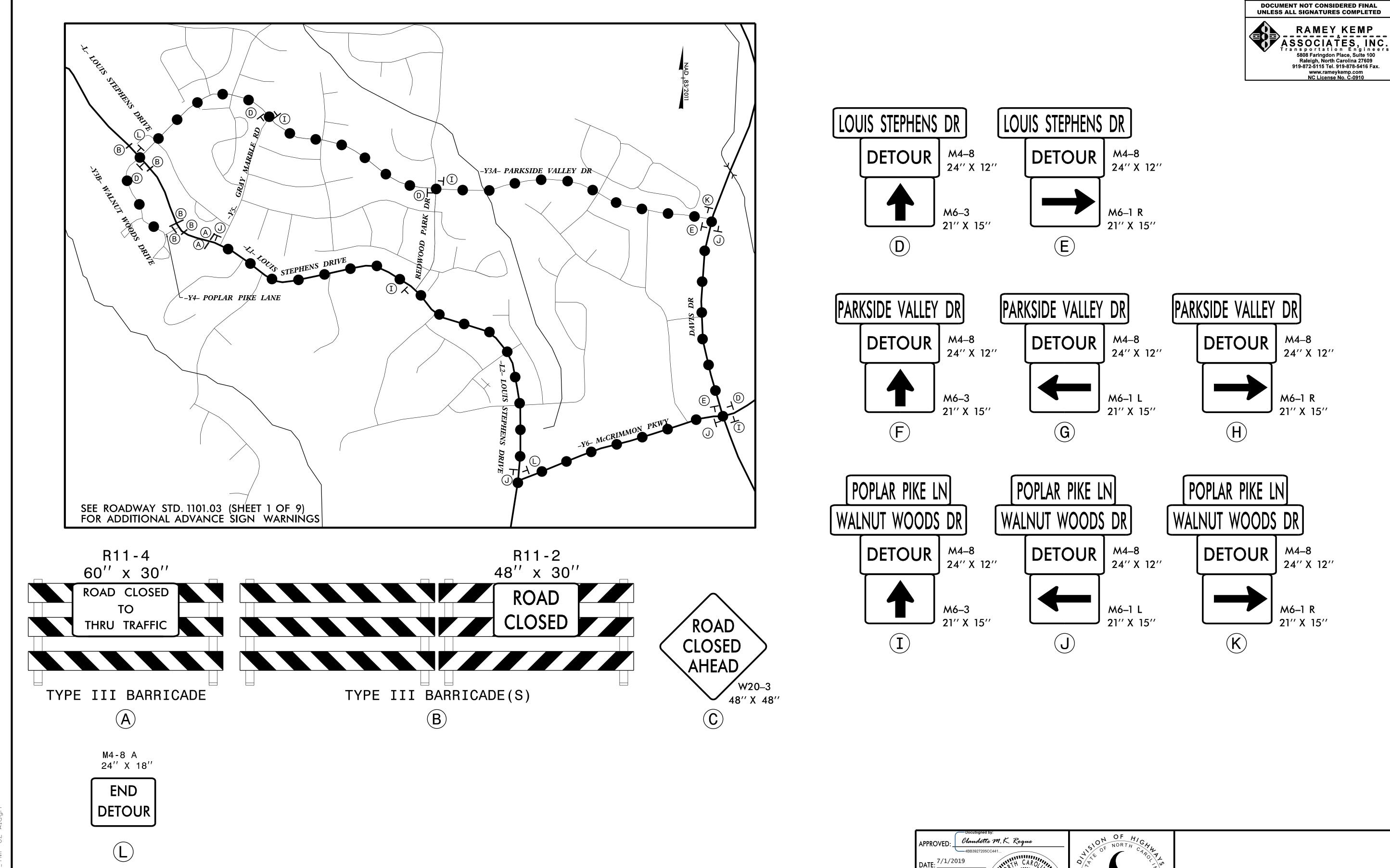
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PHASING NOTES



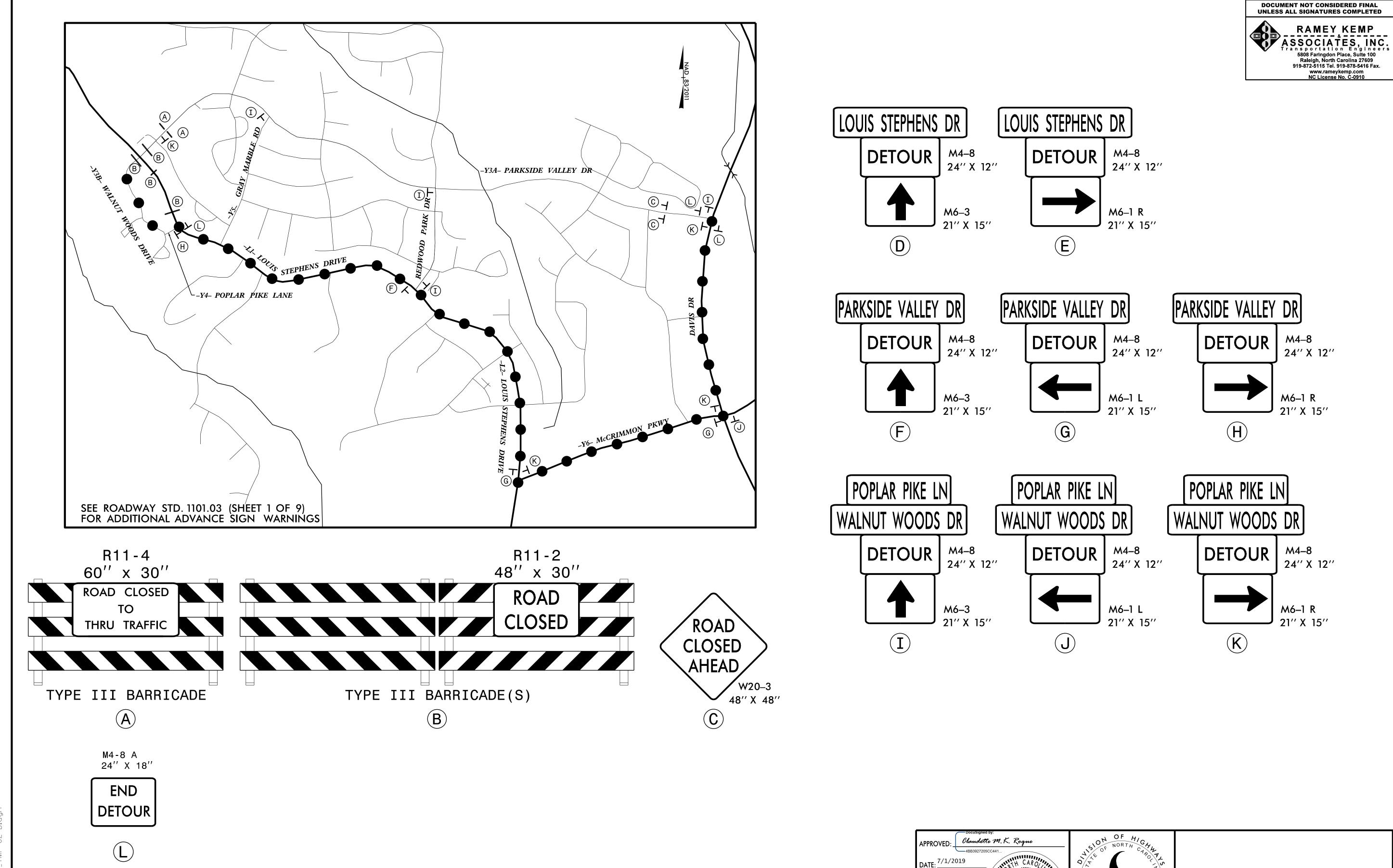
PHASE I DETOUR

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PROJ. REFERENCE NO.

U-5827

TMP-2A



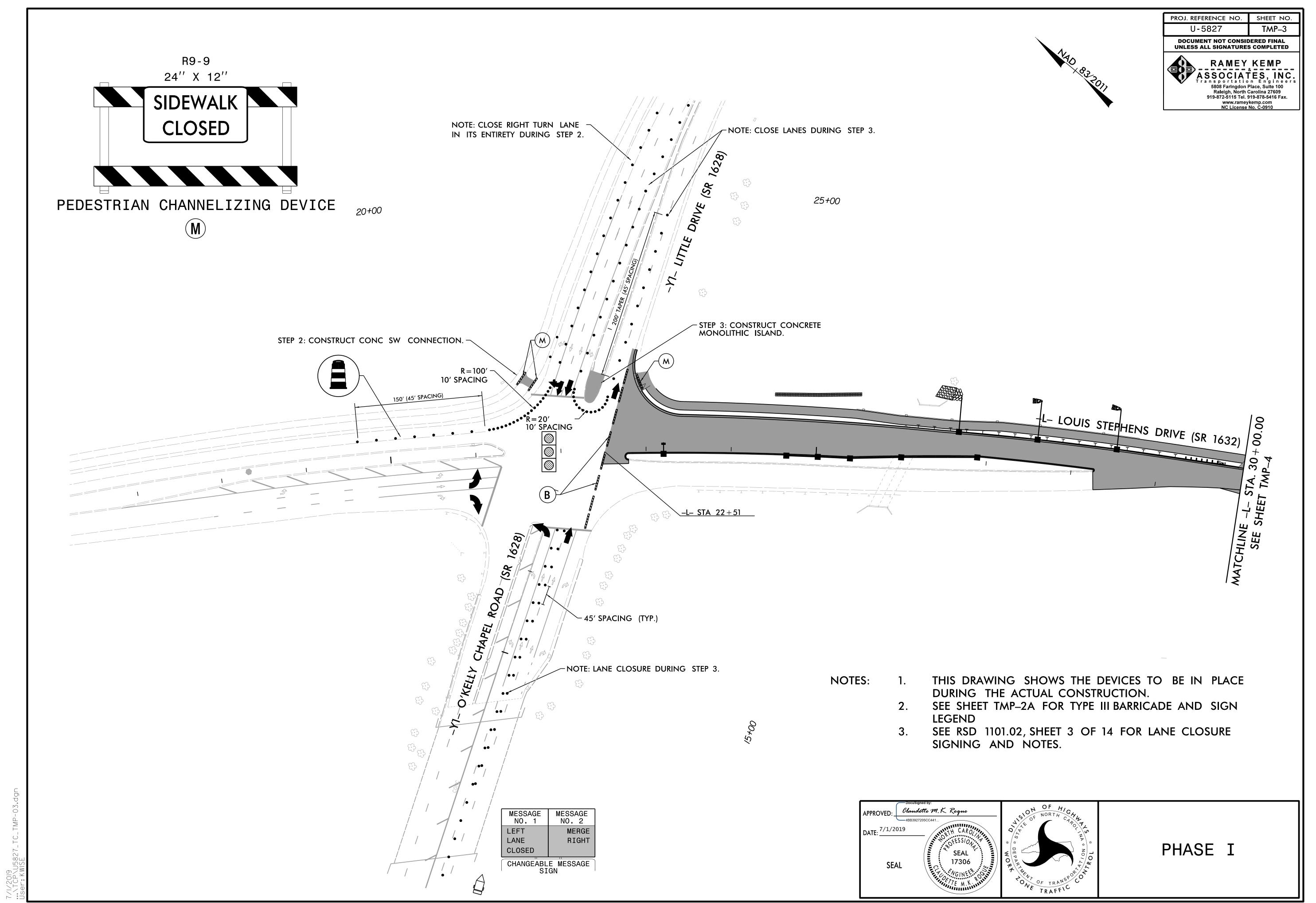
PHASE II DETOUR

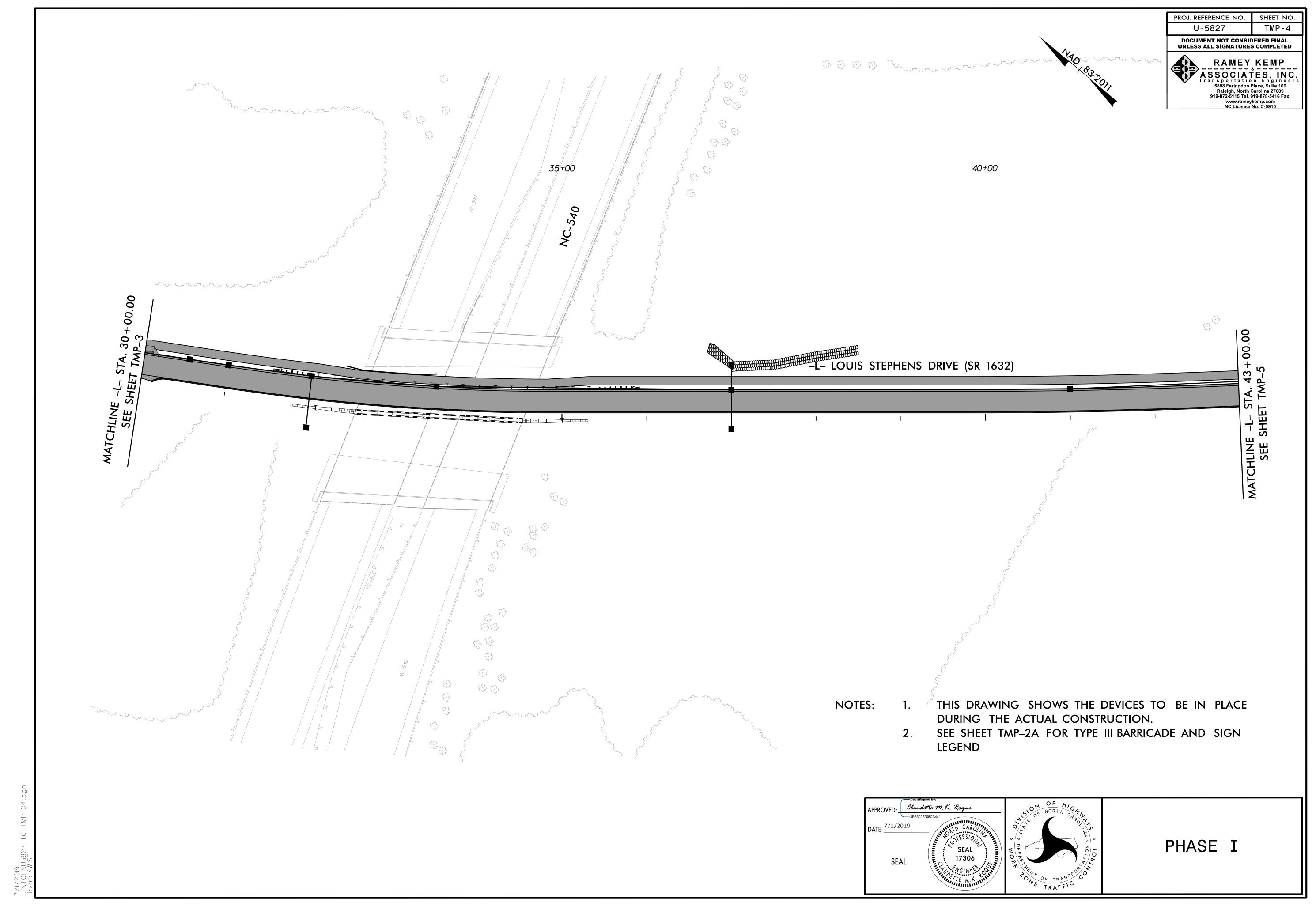
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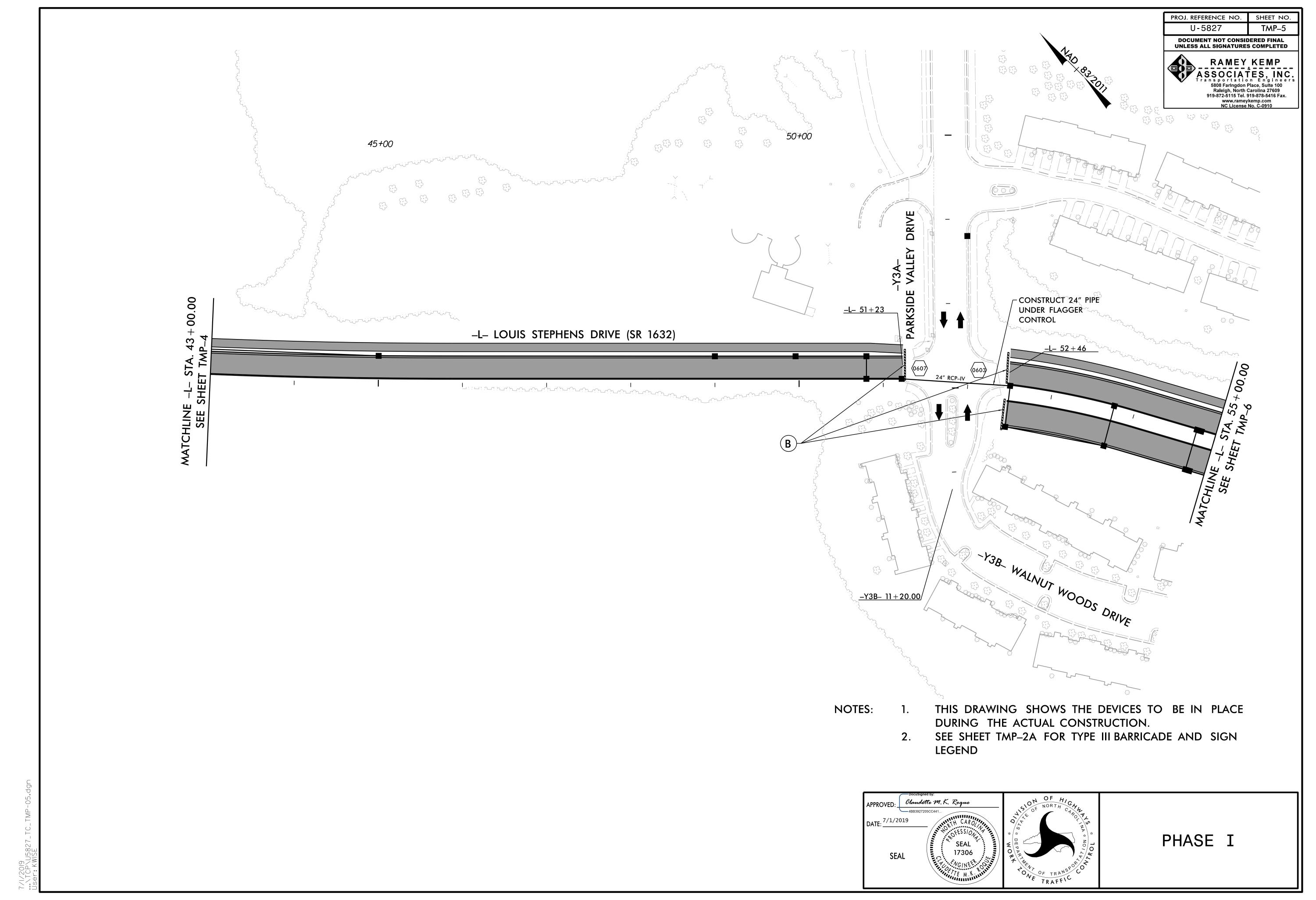
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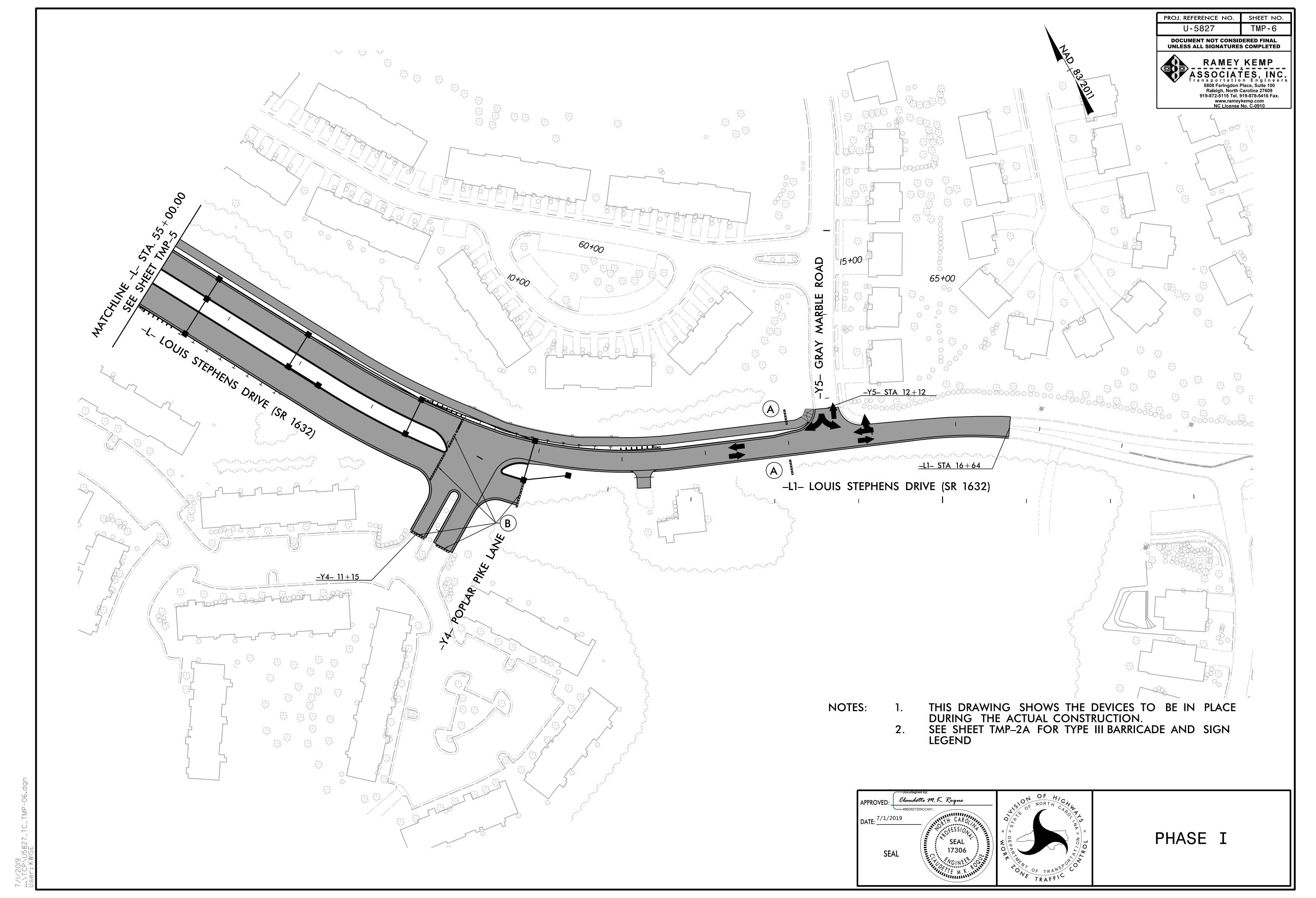
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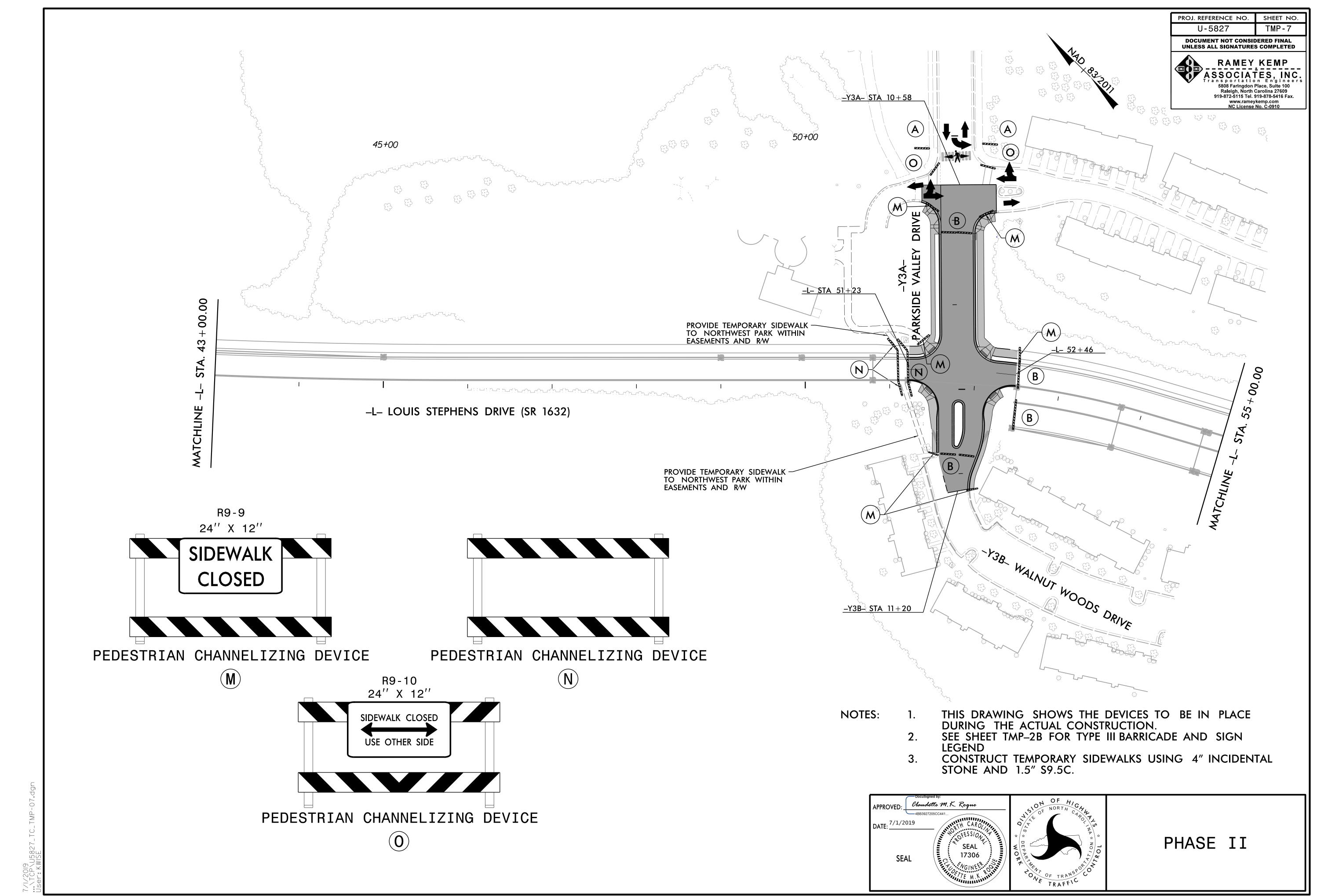
TMP-2B

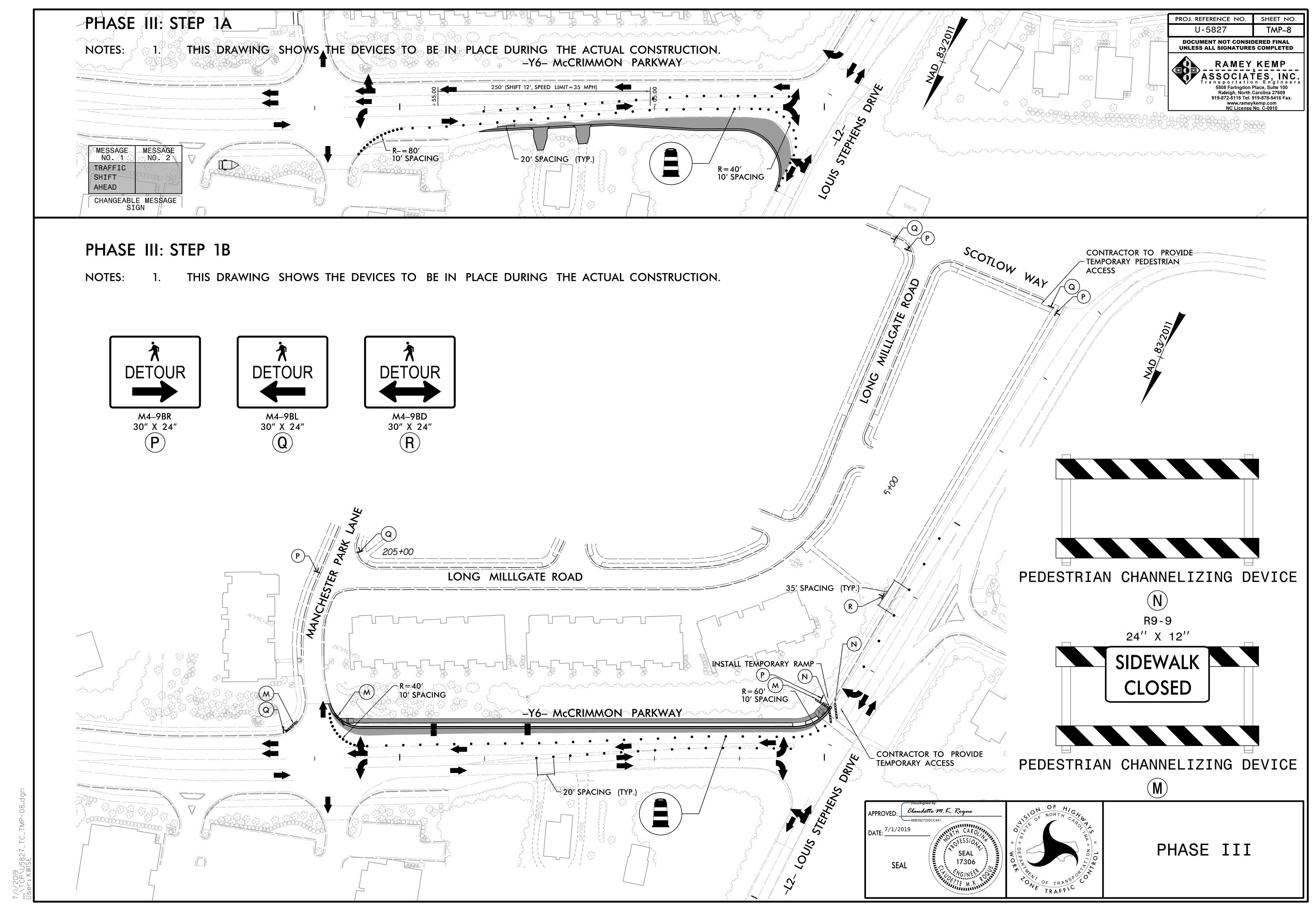


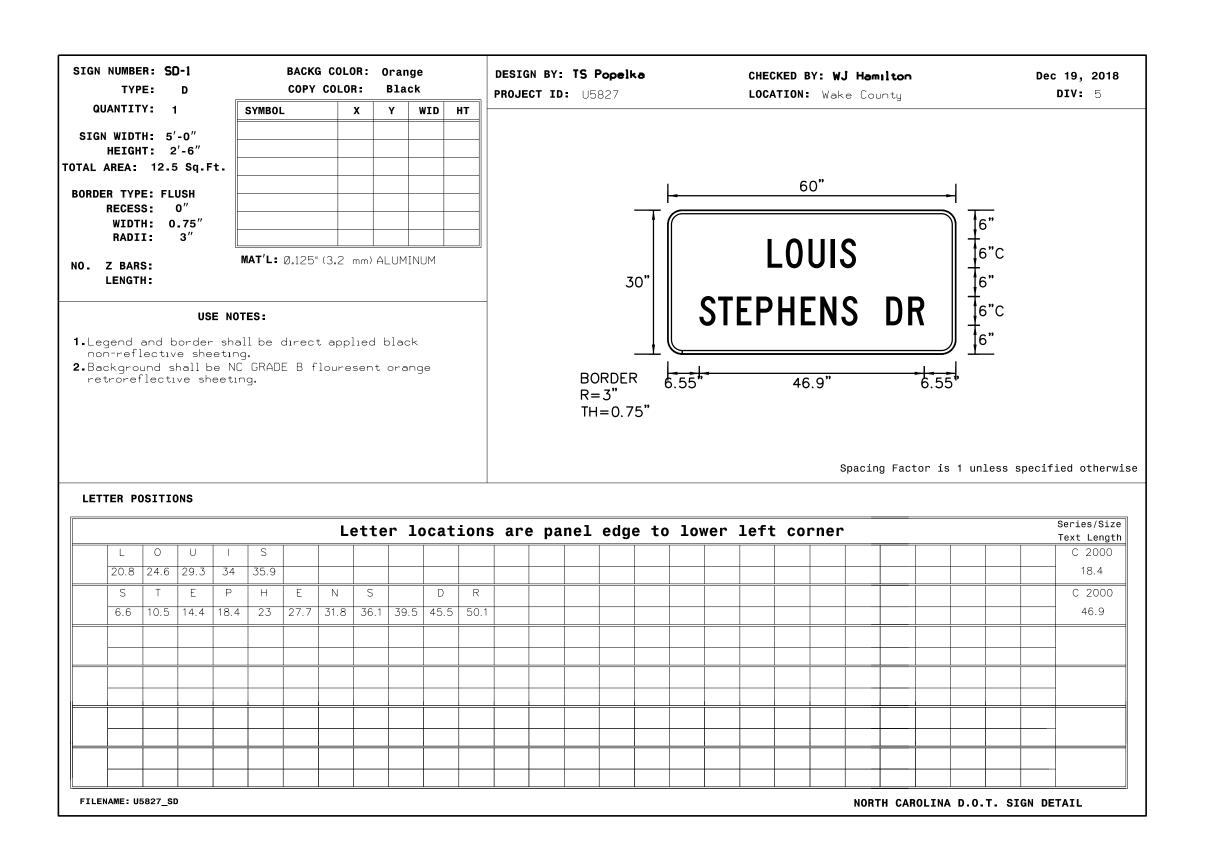


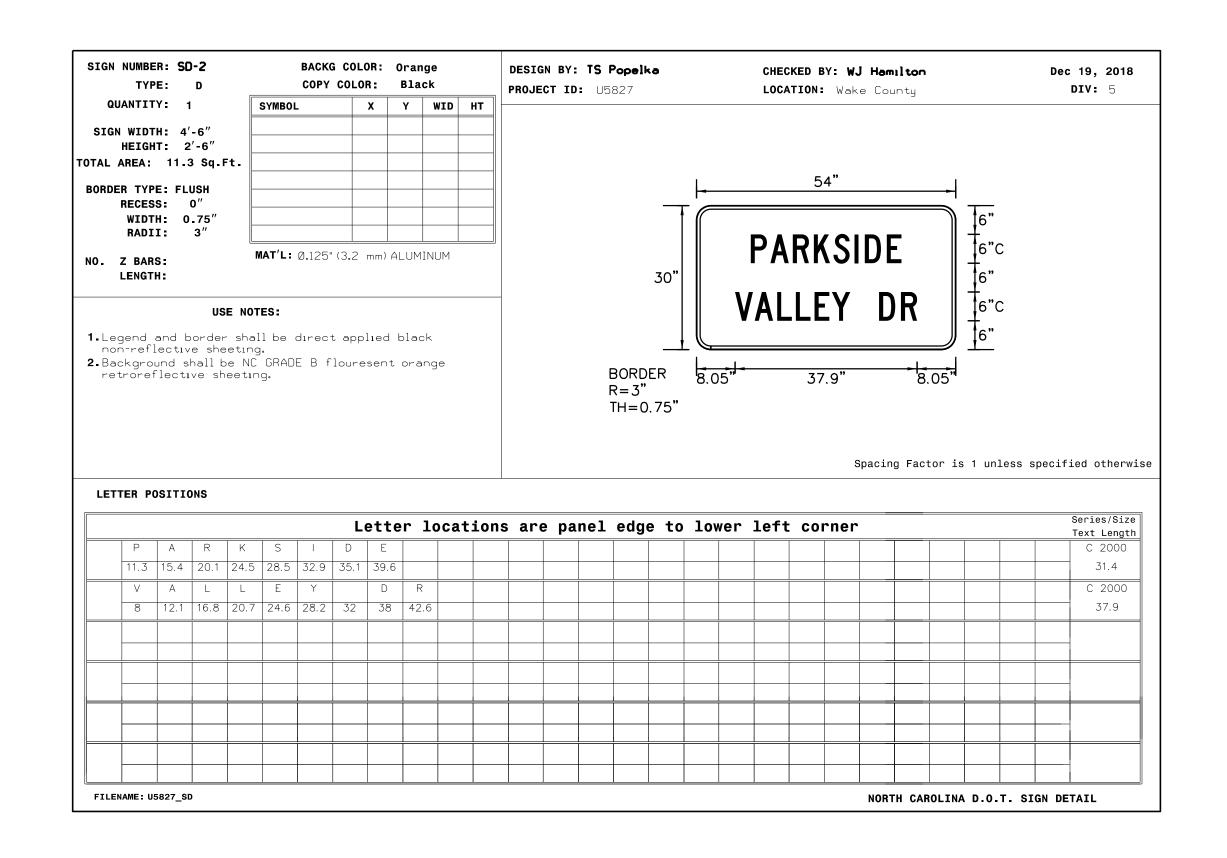


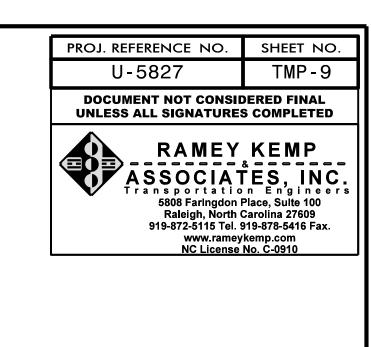


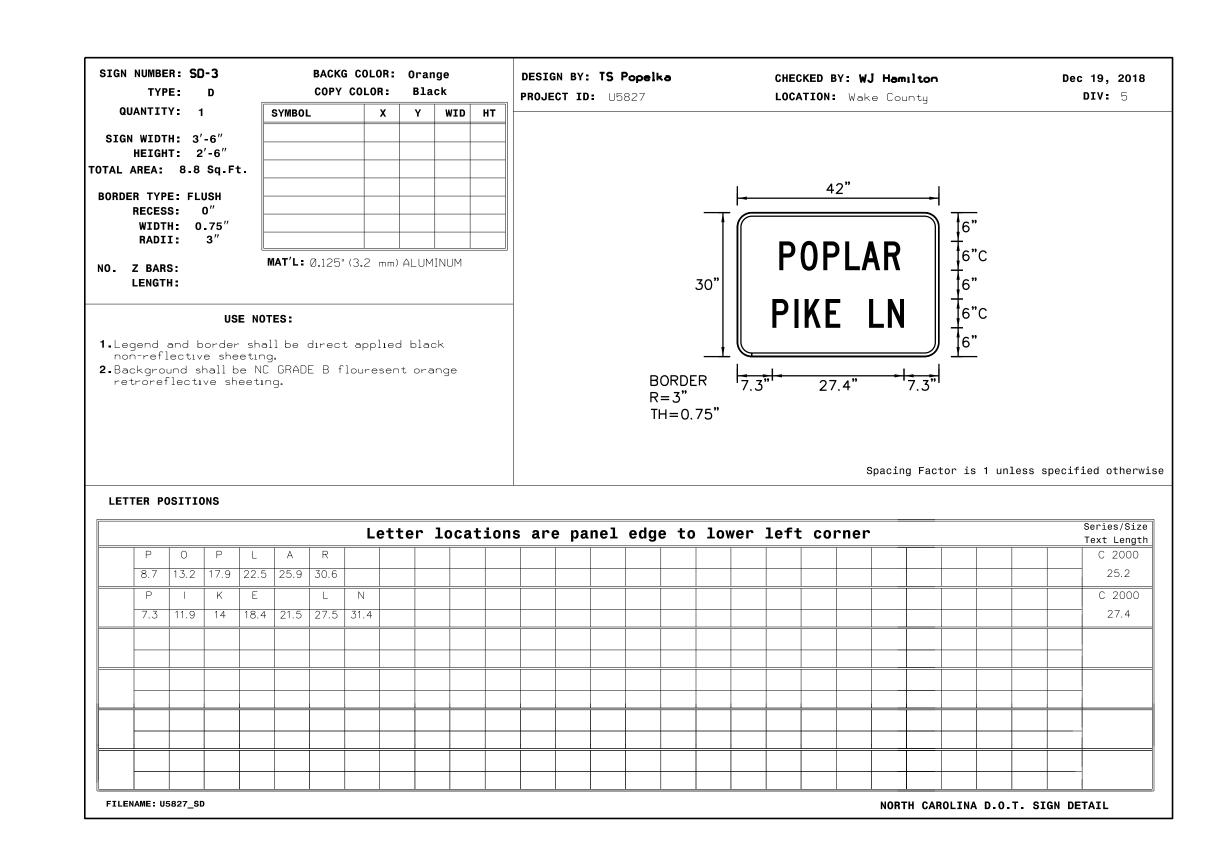


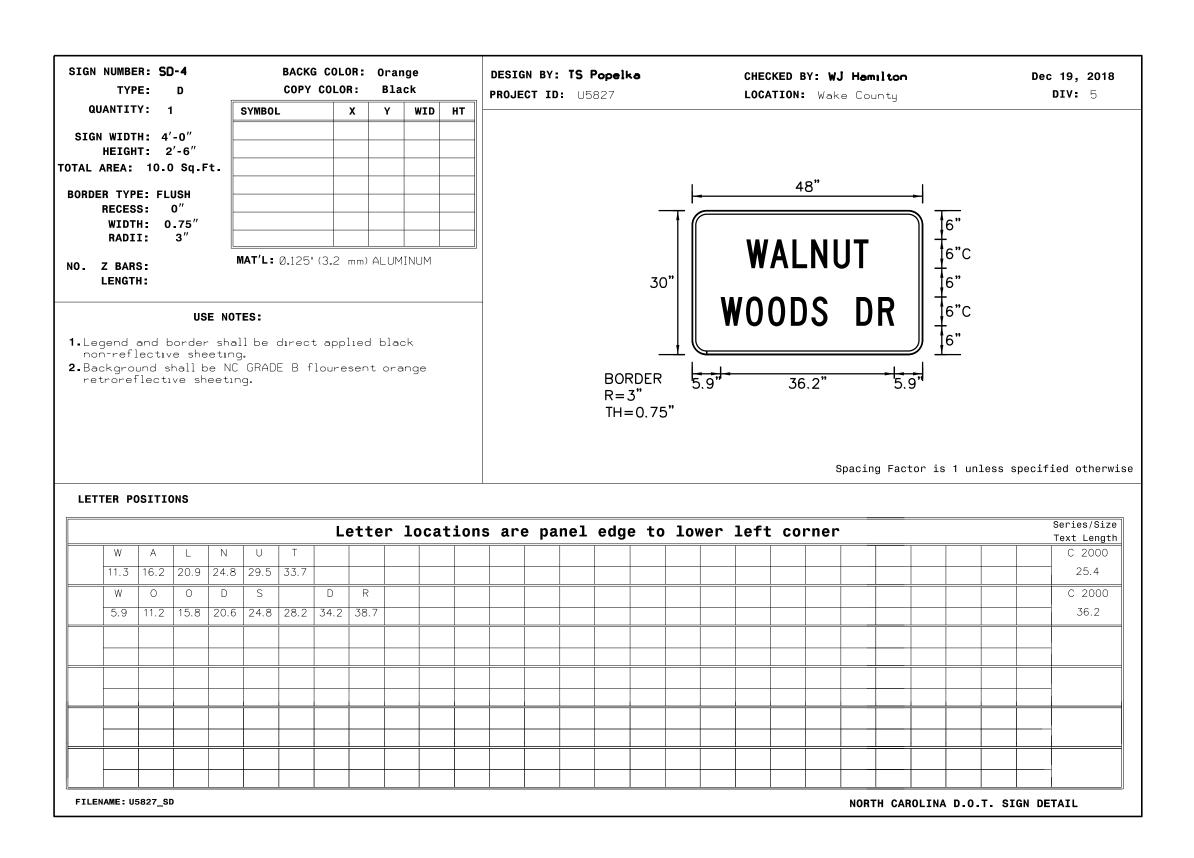


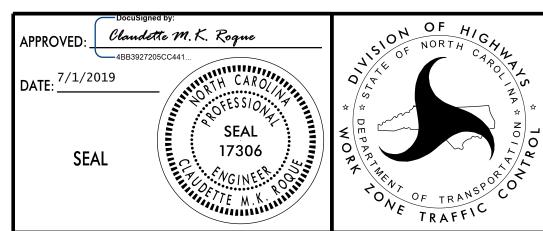












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